

**VILLANOVA UNIVERSITY**

VILLANOVA UNIVERSITY  
 Department of Geography  
 DISASTERS: NATURAL HAZARDS AND RISK ASSESSMENT  
 GEO 5300-01/02

Dr. Elaine F. Bosowski  
 St. Augustine Center 390  
 (215) 519-7435  
 Cartography Lab, Tolentine 317, 519-6089  
 Office Hours: TTh 12:45-1:30; 4:15-5:00, Tolentine 317 - Cartography Lab;  
 OR by appointment on Wednesdays.  
 Call 519-4640 for department secretary: Ms. Joyce Vlassopoulos.

Spring 1995  
 T/Th 3-4:15

Required Texts: Bolt, Bruce A., 1993. EARTHQUAKES (W. H. Freeman and Company: New York). Robinson, Andrew, 1993. EARTHSHOCK (Thames and Hudson, Ltd.: London). Tobin, Graham A. and Burrell E. Montz. THE GREAT MIDWESTERN FLOODS OF 1993.

Recommended: NYSTROM DESK ATLAS, current edition.

All Readings should be completed by the date assigned below. Chapter readings are indicated for Bolt with "B", for Robinson with "R", and for Tobin and Montz with "T&M."

<i>Week</i>	<i>Date</i>	<i>Topic</i>	<i>Readings</i>
1	Jan 17	Introduction; Hazards & Disasters Overview; World Distributions; Plate Tectonics; Terminology; Maps and Globes in the Classroom	
	Jan 19	Introduction (continued)	B-1, 4; R-1
2	Jan 24	Plate Tectonics	B-2, 3, 5; R-2
	Jan 26	Faults, Earthquakes	
3	Jan 31	Historic Earthquakes Around the World;	B-6, 7; R-3
	Feb 2	1964 Good Friday Earthquake	
4	Feb 7	San Fernando; Whittier Narrows, 1987; and San Francisco, 1989	B-10, 11, 12
	Feb 9		
5	Feb 14	Tsunamis	B-8, 9; R-6
	Feb 16		
6	Feb 21	REVIEW	
	Feb 23	Exam # 1: Introduction Earthquakes, Tsunamis	

7	Feb 28 Mar 2	Volcanoes	B-8; R-4
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SEMESTER RECESS: March 6 - 13

8	Mar 14 Mar 16	Landslides and Mass Wasting Video	R-7
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Dr. Bosowski participating in the Annual Meeting of the Association of American Geographers, Chicago, IL

9	Mar 21 Mar 23	Coastal Erosion Avalanches and Video	R-8
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10	Mar 28 Mar 30	REVIEW Exam #2: Volcanoes, Landslides, Coastal Erosion, Avalanches	
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11	Apr 4	Storm Introduction - Weather Related Hazards Video: "Superstorms"	R-5
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12	Apr 6 Apr 11	Tornadoes, Hurricanes	
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EASTER BREAK: April 13-17

13	Apr 18 Apr 20	Tornadoes, Hurricanes Flooding	T&M, all
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14	Apr 25 Apr 27	Subsidence	
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15	May 26	Mitigation and Control Summary and Review	B-11, 12; R-9
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READING DAYS: April 28-29

FINAL EXAMS: Apr 30-May 6

Final Examination: Tornadoes; Hurricanes, Flooding, Subsidence, Mitigation; Control; and Summary

Final Grades will be determined on the following basis:

First Exam:	35 points
Second Exam:	40 points

Final Exam:	50 points
Participation:	<u>25 points</u>

150 Total Possible Points

Accumulating the following totals of points will result in the grade listed:

<i>At least</i>	<i>Grade</i>
135	A
132	B+
120	B
117	C+
105	C
102	D+
87	D

If circumstances justify, make-up exams will be given during the final exam period.

**PLEASE NOTE:** Regular attendance is expected of each student. Attendance will be recorded. Excessive cutting will adversely affect one's ability to participate, thereby effecting a lower participation score and WILL result in a lower grade.

For further definition of Villanova University's grade policy, please consult the Blue Book.